

# PATENT ABSTRACTS OF JAPAN

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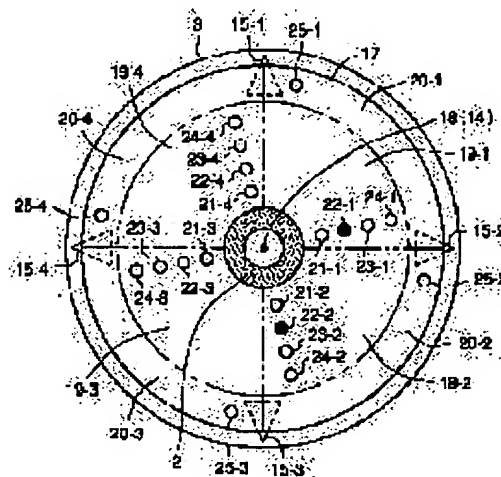
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## (54) ELECTRONIC BEAM DEVICE

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide an electronic beam lens-barrel group, to improve throughput and also to minimize the drop of working efficiency even when a faulty electronic beam lens-barrel takes place about an electronic beam device that is used at the time of manufacturing a master disk of an optical disk.

**SOLUTION:** This device is provided with an electronic beam lens-barrel group 6 which arranges plural electronic beam lens-barrels for information recording 21-1 to 21-4 to 24-1 to 24-4 in each different radius direction distance from the rotation center 14 of a disk 2 for master disk manufacturing in rotation symmetry and when it detects a faulty electronic beam lens-barrel for information recording, it performs electronic beam irradiation of an electronic beam irradiation place whose charge is taken by the faulty electronic beam lens-barrel for information recording by using another electronic beam lens-barrel for information recording that is located in the rotation symmetry.



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